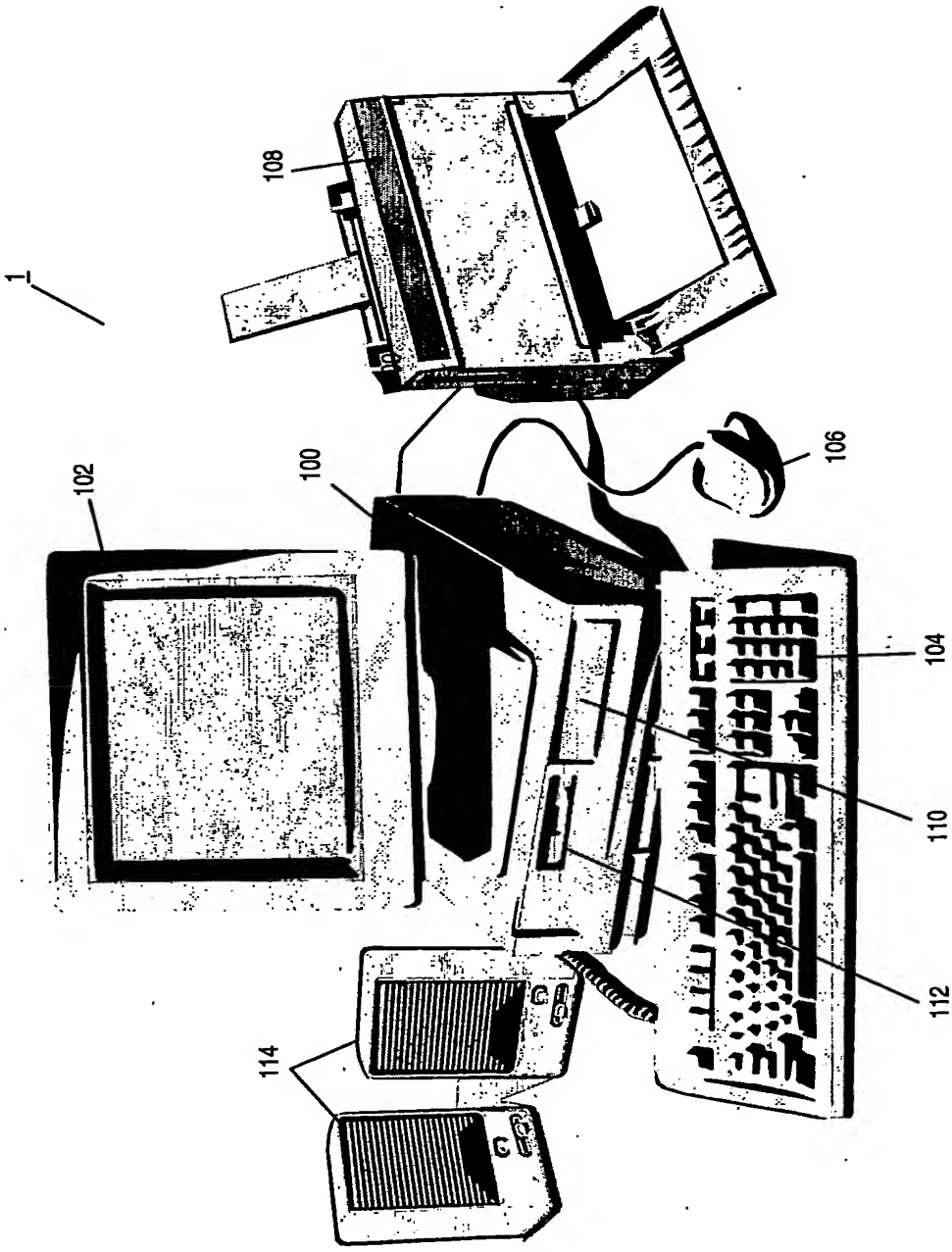

Figure 1

BEST AVAILABLE COPY

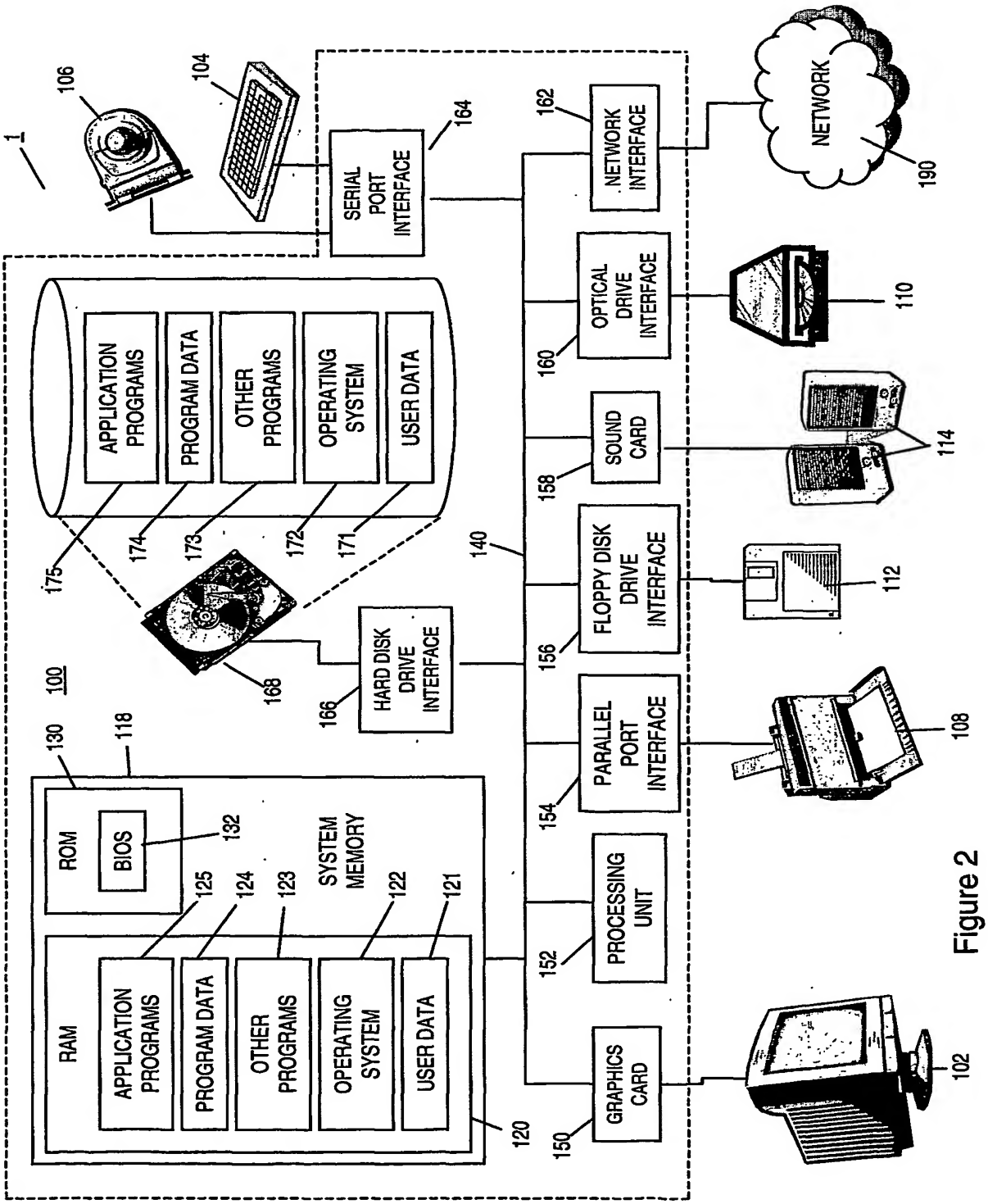

Figure 2

BEST AVAILABLE COPY

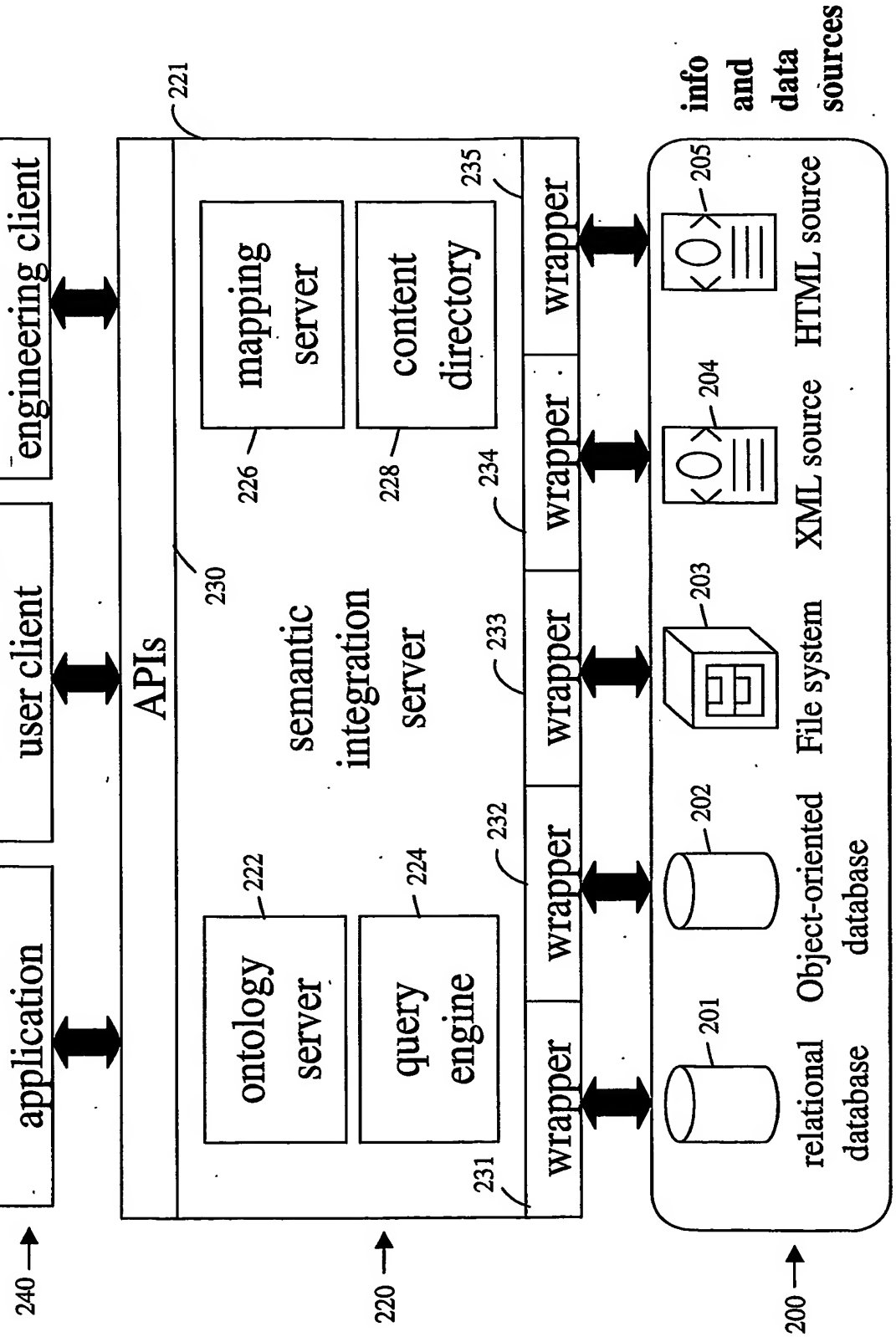
240
220
200
application
242
user client
244
engineering client
246
APIs
230
221
semantic integration server
ontology server
222
query engine
224
mapping server
226
content directory
228
wrapper
231
wrapper
232
wrapper
233
wrapper
234
wrapper
235
relational database
201
Object-oriented database
202
File system
203
XML source
204
HTML source
205
info and data sources

Figure 3

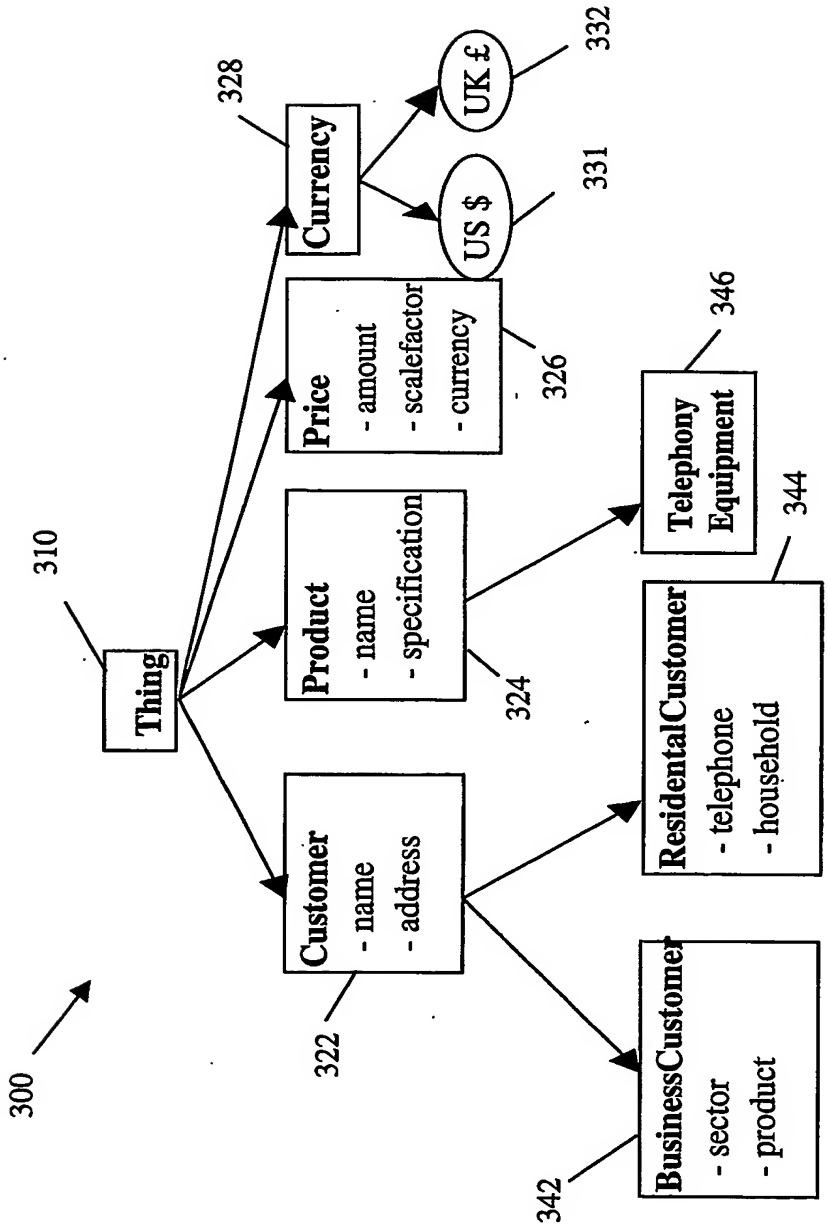
300
310
Thing
Customer
- name
- address
322
Product
- name
- specification
324
Price
- amount
- scalefactor
- currency
326
Currency
328
UK £
332
US $
331
BusinessCustomer
- sector
- product
342
ResidentalCustomer
- telephone
- household
344
Telephony
Equipment
346

Figure 4

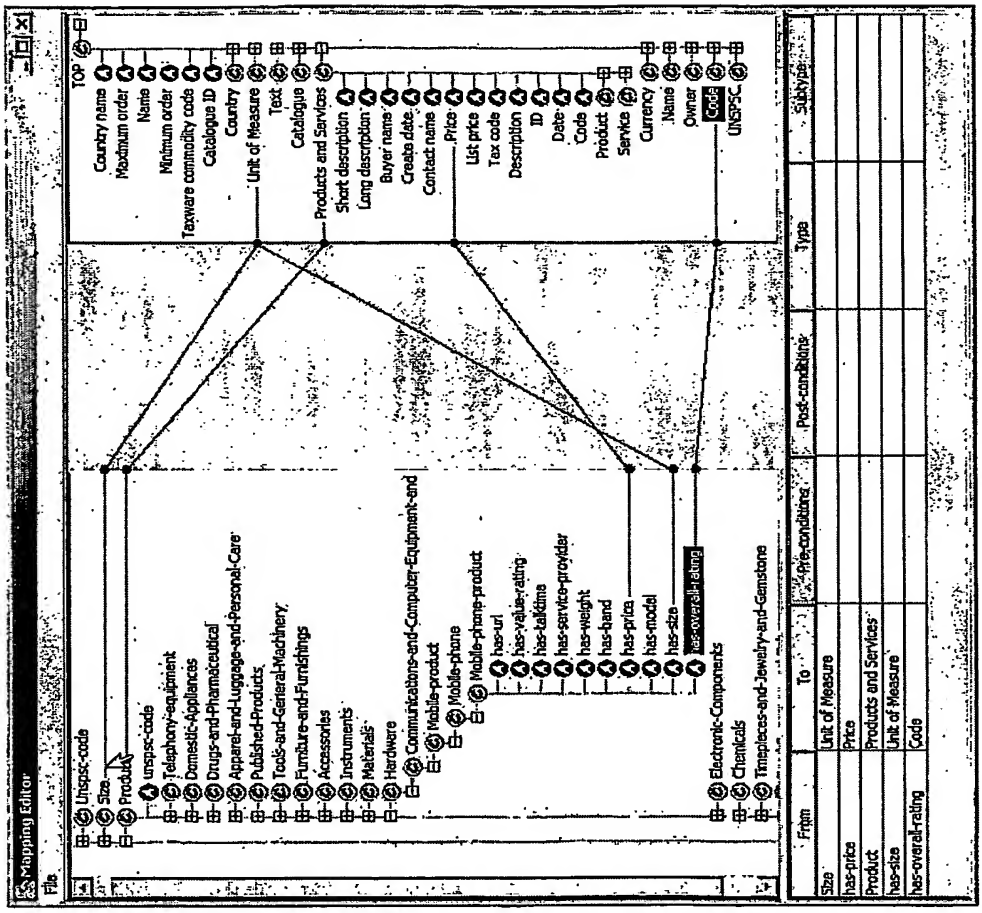

Figure 5

BEST AVAILABLE COPY